5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise

source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least

65 dB Leq-1-hr during any hour of operation shall have building, addition or alterations exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of a least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30). **5.507.4.2 Performance method.** For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1 wall and roof-eiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of

fixed-guideway source as determined by the Noise Element of the General Plan.

hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation. **5.507.4.2.1 Site Features.** Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the

shall be construction to provide an interior noise environment attributable to exterior sources that does not exceed an

5.507.4.2.2 Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Example of assemblies and their various STC ratings may be found at the California Office of Noise Control: http://www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

(REFER TO <sheet><detail><specification></specification></detail></sheet>	

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high -global-warming potential (high-GWP) refrigerant with a GWP of 50 of greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO₂), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack

5.508.2.1.2 Copper pipe. Copper tubing with and OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius

5.508.2.2 Valves. Valves and fittings shall comply with the *California Mechanical Code* and as follows. **5.508.2.2.1 Pressure relief valves.** For vessels containing high-GWP refrigerant, a rupture disc shall be installed

between the outlet of the vessel and the inlet of the pressure relief valve. **5.508.2.2.1.1 Pressure detection**. A pressure gauge, pressure transducer or other device shall be installed in the

space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve cap. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2. Seal caps. If designed for it the cap shall have a neoprene O-ring in place. **5.508.2.2.2.1 Chain tethers.** Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

from these substances. **5.508.2.3.1 Coil coatings.** Consideration shall be given to the heat transfer efficiency of coil coating to maximize

5.08.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt

shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion

energy efficiency.

5.508.2.4. Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer

gas to bring system pressure to 300 psig minimum. **5.508.2.5.2 Leaks.** Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 Pressure vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes. **5.508.2.6.3 Third vacuum.** Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24 hour period.

(REFER TO <SHEET><DETAIL><SPECIFICATION>

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE

5.410.2.3 Commissioning plan.[N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The Commissioning Plan shall include the following:

This checklist is to be used on an individual project basis and may be modified by the applicant to meet the needs of their specific project. The applicant shall strike out those sections that are not applicable to their project. The applicant and property owner assume all responsibility associated with the use of this document.

- 1. General project information
- 2. Commissioning goals 3. Systems to be commissioned. Plans to test systems and components shall include:
 - a. An explanation of the original design intent
 - b. Equipment and systems to be tested, including the extent of tests
 - c. Functions to be tested
 - d. Conditions under which the test shall be performed e. Measurable criteria for acceptable performance
- 4. Commissioning team information 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments

5.410.2.5 Documentation and training. [N]. A systems manual and systems operations training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall

- include the following: 1. Site information, including facility description, history and current requirements.
- 2. Site contact information.
- 3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
- Major systems.
- 5. Site equipment inventory and maintenance notes. 6. A copy of verifications required by the enforcing agency or this code.
- 7. Other resources and documentation if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the

- 1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it
- 2. Review and demonstration of servicing/preventive maintenance.
- 3. Review of the information in the systems manual.
- 4. Review of the record drawings on the system/equipment

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design, and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 Testing and adjusting. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.1 (Reserved).

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project:

- 1. HVAC systems and controls
- 2. Indoor and outdoor lighting and controls
- 3. Water heating systems
- 4. Renewable energy systems Landscape irrigation systems

Water reuse systems

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, balance the system in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

(REFER TO <SHEET><DETAIL><SPECIFICATION>

DIVISION 5.5 ENVIRONMENTAL QUALITY

5.501.1 Scope. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and

SECTION 5.502 DEFINITIONS

5.502.1 Definitions. The following terms are defined in chapter 2. ARTERIAL HIGHWAY. A-WEIGHTED SOUND LEVEL (dBA) 1 BTU/HOUR.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). COMPOSITE WOOD PRODUCTS. DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). DECIBEL (dB). ENERGY EQUIVALENT (NOISE) LEVEL (Leq).

EXPRESSWAY FREEWAY GLOBAL WARMING POTENTIAL (GWP). GLOBAL WARMING POTENTIAL VALUE (GWP VALUE).

HIGH-GWP REFRIGERANT. LONG RADIUS ELBOW. LOW-GWP REFRIGERANT

MAXIMUM INCREMENTAL REACTIVITY (MIR). REACTIVE ORGANIC COMPOUND (ROC). SCHRADER ACCESS VALVES. SHORT RADIUS ELBOW. SUPERMARKET.

SECTION 5.503 FIREPLACES

VOC.

5.503.1 General. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA Phase II emission limits where

(REFER TO <SHEET><DETAIL><SPECIFICATION>

SECTION 5.504 POLLUTANT CONTROL **5.504.1.3 Temporary Ventilation.** The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of additions or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct opening's and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic,

sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	

1. If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed. 2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District

Rule 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller units sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

Table 4 FO4 44 ADUFCIVE VOC LIMIT 1,2

orous material (except wood)

Table 5.504.4.2 - SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter)

SEALANTS	CURRENT VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous	500
Marine deck	760

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168. (REFER TO <SHEET><DETAIL><SPECIFICATION>

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

Table 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS 2,3 Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	CURRENT LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
Specialty Coatings	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High-temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings1	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventive coatings	250
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers, and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
	250
Waterproofing membranes	250

- Grams of VOC per liter of coating, including water and including exempt compounds.
- 2. The specified limits remain in effect unless revised limits are listed in subsequent columns if the table.
- 3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

(REFER TO <SHEET><DETAIL><SPECIFICATION>

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program. 5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1. **5.504.4.5 Composite wood products.** Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for (ATCM)Composite Wood (17 CCR 93120 et seq.), Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5. 5.504.4.5.1 Early compliance. Reserved 5.504.5.3 Documentation. Verification of compliance with this section shall be provided as required by the enforcing agency. Documentation shall include at least one of the following: 1. Product certification and specification. 2. Chain of custody certification. 3. Products labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZA 2269 or European 636 3S standards. 5. Other methods acceptable to the enforcing agency. Table 4.504.4.5 - FORMALDEHYDE LIMITS Maximum Formaldehyde Emissions in Parts per Million PRODUCT CURRENT LIMIT Hardwood plywood veneer core Hardwood plywood composite core 0.05 0.09 0.11 Medium density fiberboard Thin medium density fiberboard ² 1. Values in this table are derived from those specified by the California Air Resources Board. Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333-96. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 2. Thin medium density fiberboard has a maximum thickness of 5/16 inches (8 mm). (REFER TO <SHEET><DETAIL><SPECIFICATION> **5.504.4.6 Resilient flooring systems.** For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following: 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program. 2. Compliant with the VOC-emissions limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010; 3. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database; or 4. Compliant wit CDPH criteria as certified under the Greenquard Children's & Schools Program. **5.504.6.1 Verification of compliance.** Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits. **5.504.5.3 Filters.** In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. 1. An ASHRAE 10-percent to 15-percent efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if energy use of the air delivery system is 0.4 W/cfm or less at design air flow. Existing mechanical equipment. **5.504.5.3.1 Labeling.** Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating. **5.504.7 Environmental tobacco smoke (ETS) control.** Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent, When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions. (REFER TO <SHEET><DETAIL><SPECIFICATION> **SECTION 5.505 INDOOR MOISTURE CONTROL 5.505.1 Indoor moisture control**. Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code. (REFER TO <SHEET><DETAIL><SPECIFICATION>

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the following testing

5. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria

2. Compliant with the VOC-emissions limits and testing requirements specified in the California Department

of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions

from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also know as CDPH

Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database.

agency. Documentation may include, but is not limited to, the following:

1. Carpet and Rug Institute's Green Label Plus Program.

4. Scientific Certifications systems Sustainable Choice; or

Standard Method V1.1 or Specification 01350);

3. NSF/ANSI 140 at the Gold level or higher;

SECTION 5.506 INDOOR AIR QUALITY

California Energy Code, Section 120(c)(4).

(REFER TO <SHEET><DETAIL><SPECIFICATION>_

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4.1 or 5.507.4.2.

buildings.

5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum

local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8

requirements of Section 120.1 (Requirements For Ventilation) of the 2013 California Energy Code, or the applicable

5.506.2 Carbon dioxide (CO₂) monitoring. For buildings or additions equipped with demand control ventilation, CO₂

sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2013

5.507.4 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor-Indoor Sound Transmissions Class

(OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Seciton

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as

determined by the enforcement authority, such factories, stadiums, storage, enclosed parking structures and utility

2. Field verification of on-site product containers

1. Manufacturer's product specification

and product requirements:

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